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Yogesh L. Deshpande, Roger Jenkins, Simon Taylor

November 1996 **Proceedings of the 28th conference on Winter simulation****Publisher:** ACM PressFull text available:  pdf(697.52 KB) Additional Information: [full citation](#), [references](#), [citations](#)**2 Scheduling optimization for resource-intensive Web requests on server clusters**

Huican Zhu, Ben Smith, Tao Yang

June 1999 **Proceedings of the eleventh annual ACM symposium on Parallel algorithms and architectures****Publisher:** ACM PressFull text available:  pdf(1.19 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**3 Performance of multi-level client-server systems with parallel service operations**

Greg Franks, Murray Woodside

October 1998 **Proceedings of the 1st international workshop on Software and performance WOSP '98****Publisher:** ACM PressFull text available:  pdf(1.14 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**4 Context-based prefetch – an optimization for implementing objects on relations**

Philip A. Bernstein, Shankar Pal, David Shutt

December 2000 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 9 Issue 3**Publisher:** Springer-Verlag New York, Inc.Full text available:  pdf(142.24 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

When implementing persistent objects on a relational database, a major performance issue is prefetching data to minimize the number of round-trips to the database. This is especially hard with navigational applications, since future accesses are unpredictable. We propose the use of the context in which an object is loaded as a predictor of future accesses, where a context can be a stored collection of relationships, a query result, or a complex object. When an object O's state is loaded, similar ...

**Keywords:** Caching, Object-oriented database, Object-relational mapping, Prefetch

**5 Performance modeling of layered network protocol software implemented with UNIX** 

 **STREAMS facilities: application to a frame relay access device**

Adrian E. Conway

October 1998 **Proceedings of the 1st international workshop on Software and performance WOSP '98**

Publisher: ACM Press

Full text available:  pdf(720.47 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

**6 The GéoSabrina design: the way to build a GIS above a spatial data server** 

 D. Chrétien, Y. Viémont, T. Larue, R. Legoff, D. Pastre

April 1994 **Proceedings of the 1994 ACM symposium on Applied computing**

Publisher: ACM Press

Full text available:  pdf(753.75 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** geographical database system, spatial data, spatial language

**7 Realizing the performance potential of the virtual interface architecture** 

 Evan Speight, Hazim Abdel-Shafi, John K. Bennett

May 1999 **Proceedings of the 13th international conference on Supercomputing**

Publisher: ACM Press

Full text available:  pdf(1.52 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**8 Modeling methodology: Distributed supply chain simulation in GRIDS** 

Rajeev Sudra, Simon J. E. Taylor, Tharumasegaram Janahan

December 2000 **Proceedings of the 32nd conference on Winter simulation**

Publisher: Society for Computer Simulation International

Full text available:  pdf(206.55 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Amongst the majority of work done in Supply Chain Simulation, papers have emerged that examine the area of model distribution. The executions of simulations on distributed hosts as a coupled model require both coordination and facilitating infrastructure. A distributed environment, the Generic Runtime Infrastructure for Distributed Simulation (GRIDS) is suggested to provide the bonding requirements for such a model. The advantages of transparently connecting the distributed components of a suppl ...

**9 A concurrent migration extension to an end-to-end host mobility architecture** 

 Sameer Tilak, Nael B. Abu-Ghazaleh

July 2001 **ACM SIGMOBILE Mobile Computing and Communications Review**, Volume 5

Issue 3

Publisher: ACM Press

Full text available:  pdf(533.46 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

With the proliferation of mobile devices and the emergence of the internet as a global communication and business medium, there is significant interest in providing robust, high-performance, internet connectivity to portable devices. This requires seamless delivery of data between the peers even as they change location. The accepted solution for mobility is Mobile IP, an IETF standard supporting mobility in the network layer. Recently, Snoren and Balakrishnan suggested an end-to-end implementati ...

**10 The Parallel Protocol Engine**

Matthias Kaiserswerth

December 1993 **IEEE/ACM Transactions on Networking (TON)**, Volume 1 Issue 6

**Publisher:** IEEE Press

Full text available:  pdf(1.65 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)



#### 11 Towards a Web based simulation environment

 Peter Lorenz, Thomas J. Schriber, Heiko Dorwart, Klaus-Christoph Ritter  
December 1997 **Proceedings of the 29th conference on Winter simulation**

**Publisher:** ACM Press

Full text available:  pdf(638.55 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



#### 12 Distributed supply chain simulation in a DEVS/CORBA execution environment

 Bernard P. Zeigler, Doohwan Kim, Stephen J. Buckley  
December 1999 **Proceedings of the 31st conference on Winter simulation: Simulation--a bridge to the future - Volume 2**

**Publisher:** ACM Press

Full text available:  pdf(99.53 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



#### 13 PREDATOR: a resource for database research

 Praveen Seshadri  
March 1998 **ACM SIGMOD Record**, Volume 27 Issue 1

**Publisher:** ACM Press

Full text available:  pdf(35.00 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)



This paper describes PREDATOR, a freely available object-relational database system that has been developed at Cornell University. A major motivation in developing PREDATOR was to create a modern code base that could act as a research vehicle for the database community. Pursuing this goal, this paper briefly describes several features of the system that should make it attractive for database research and education.



#### 14 Cellular networks: past, present and future

 Lourens O. Walters, P. S. Kritzinger  
December 2000 **Crossroads**, Volume 7 Issue 2

**Publisher:** ACM Press

Full text available:  html(59.53 KB) Additional Information: [full citation](#), [index terms](#)



#### 15 Special issue on distributed computing: Quick-tests for characterizing distributed systems

 Rick Cormier, Ed Guy, David E Ruddock  
April 1999 **ACM SIGAPP Applied Computing Review**, Volume 7 Issue 1

**Publisher:** ACM Press

Full text available:  pdf(396.61 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper discusses some problems caused by inadequately characterizing distributed and system architectures. It presents a classification system for decomposing distributed systems and presents a few simple test cases. To allow system designers to characterize different aspects of their environments, we have started a collection of simple Quick-Tests.



#### 16 Exploiting style in architectural design environments

David Garlan, Robert Allen, John Ockerbloom

 December 1994 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 2nd ACM SIGSOFT symposium on Foundations of software engineering SIGSOFT '94**, Volume 19 Issue 5

Publisher: ACM Press

Full text available: .pdf(1.42 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

As the design of software architectures emerges as a discipline within software engineering, it will become increasingly important to support architectural description and analysis with tools and environments. In this paper we describe a system for developing architectural design environments that exploit architectural styles to guide software architects in producing specific systems. The primary contributions of this research are: (a) a generic object model for representing architectural design ...

**17 GLORP: generic lightweight object-relational persistence** 

 Alan Knight

January 2000 **Addendum to the 2000 proceedings of the conference on Object-oriented programming, systems, languages, and applications (Addendum)**

Publisher: ACM Press

Full text available: .pdf(465.42 KB) Additional Information: [full citation](#), [index terms](#)

**18 Workshop on OODB semantics** 

 Michael Caruso, Stan Zdonik

January 1987 **ACM SIGPLAN Notices , Addendum to the proceedings on Object-oriented programming systems, languages and applications (Addendum) OOPSLA '87**, Volume 23 Issue 5

Publisher: ACM Press

Full text available: .pdf(485.01 KB) Additional Information: [full citation](#), [index terms](#)

**19 Query optimization at the crossroads** 

 Surajit Chaudhuri

June 1997 **ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD international conference on Management of data SIGMOD '97**, Volume 26 Issue 2

Publisher: ACM Press

Full text available: .pdf(175.62 KB) Additional Information: [full citation](#), [index terms](#)

**20 Expressing business rules** 

 Ronald G. Ross

May 2000 **ACM SIGMOD Record , Proceedings of the 2000 ACM SIGMOD international conference on Management of data SIGMOD '00**, Volume 29 Issue 2

Publisher: ACM Press

Full text available: .pdf(24.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

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